

### Amendments to the Claims

**1. (Currently amended)** A protein of the following (a) or (b):

(a) a protein comprising any one of the amino acid sequences of SEQ ID NOS: 1 to 14, SEQ ID NOS: 15 to 19, SEQ ID NOS: 20 to 22, SEQ ID NOS: 47 to 56, SEQ ID NOS: 57 to 76, SEQ ID NOS: 77 to 81, SEQ ID NOS: 82 to 84, SEQ ID NOS: 85 to 86, SEQ ID NOS: 87 to 89, SEQ ID NOS: 90 to 91, SEQ ID NOS: 92 to 93, SEQ ID NOS: 94 to 95, SEQ ID NOS: 96 to 97, SEQ ID NOS: 98 to 99, SEQ ID NOS: 100 to 101, SEQ ID NO: 102 and SEQ ID NO: 103,

(b) a protein that comprises any one of the amino acid sequences of SEQ ID NOS: 1 to 14, SEQ ID NOS: 15 to 19, SEQ ID NOS: 20 to 22, SEQ ID NOS: 47 to 56, SEQ ID NOS: 57 to 76, SEQ ID NOS: 77 to 81, SEQ ID NOS: 82 to 84, SEQ ID NOS: 85 to 86, SEQ ID NOS: 87 to 89, SEQ ID NOS: 90 to 91, SEQ ID NOS: 92 to 93, SEQ ID NOS: 94 to 95, SEQ ID NOS: 96 to 97, SEQ ID NOS: 98 to 99, SEQ ID NOS: 100 to 101, SEQ ID NO: 102 and SEQ ID NO: 103, including deletion, substitution or addition of one or several amino acid residues and interacts with a c-Fos protein.

**2. (Currently amended)** A protein according to claim 1, which comprises any one of the amino acid sequences of SEQ ID NOS: 1 to 14, SEQ ID NOS: 15 to 19, SEQ ID NOS: 20 to 22, SEQ ID NOS: 47 to 56, SEQ ID NOS: 57 to 76, SEQ ID NOS: 77 to 81, SEQ ID NOS: 82 to 84, SEQ ID NOS: 85 to 86, SEQ ID NOS: 87 to 89, SEQ ID NOS: 90 to 91, SEQ ID NOS: 92 to 93, SEQ ID NOS: 94 to 95, SEQ ID NOS: 96 to 97, SEQ ID NOS: 98 to 99, SEQ ID NOS: 100 to 101, SEQ ID NO: 102 and SEQ ID NO: 103.

**3. (Currently amended)** A nucleic acid encoding the protein according to claim 1 ~~or~~ 2.

**4. (Currently amended)** A nucleic acid of the following (a) or (b):

(a) a nucleic acid comprising any one of the nucleotide sequences of SEQ ID NOS: 23 to 38, SEQ ID NOS: 39 to 43, SEQ ID NOS: 44 to 46, SEQ ID NOS: 104 to 118, SEQ ID

NOS: 119 to 140, SEQ ID NOS: 141 to 145, SEQ ID NOS: 146 to 148, SEQ ID NOS: 149 to 150, SEQ ID NOS: 151 to 153, SEQ ID NOS: 154 to 155, SEQ ID NOS: 156 to 157, SEQ ID NOS: 158 to 159, SEQ ID NOS: 160 to 161, SEQ ID NOS: 162 to 163, SEQ ID NOS: 164 to 165, SEQ ID NO: 166, and SEQ ID NO: 167,

(b) a nucleic acid that hybridizes with a nucleic acid comprising any one of the nucleotide sequences of SEQ ID NOS: 23 to 38, SEQ ID NOS: 39 to 43, SEQ ID NOS: 44 to 46, SEQ ID NOS: 104 to 118, SEQ ID NOS: 119 to 140, SEQ ID NOS: 141 to 145, SEQ ID NOS: 146 to 148, SEQ ID NOS: 149 to 150, SEQ ID NOS: 151 to 153, SEQ ID NOS: 154 to 155, SEQ ID NOS: 156 to 157, SEQ ID NOS: 158 to 159, SEQ ID NOS: 160 to 161, SEQ ID NOS: 162 to 163, SEQ ID NOS: 164 to 165, SEQ ID NO: 166, and SEQ ID NO: 167, under a stringent condition and encodes a protein that interacts with a c-Fos protein.

**5. (Currently amended)** A nucleic acid according to claim 4, which comprises any one of the nucleotide sequences of SEQ ID NOS: 23 to 38, SEQ ID NOS: 39 to 43, SEQ ID NOS: 44 to 46, SEQ ID NOS: 104 to 118, SEQ ID NOS: 119 to 140, SEQ ID NOS: 141 to 145, SEQ ID NOS: 146 to 148, SEQ ID NOS: 149 to 150, SEQ ID NOS: 151 to 153, SEQ ID NOS: 154 to 155, SEQ ID NOS: 156 to 157, SEQ ID NOS: 158 to 159, SEQ ID NOS: 160 to 161, SEQ ID NOS: 162 to 163, SEQ ID NOS: 164 to 165, SEQ ID NO: 166, and SEQ ID NO: 167.

**6. (Currently amended)** An inhibitor for an interaction between a protein that interacts with a c-Fos protein and the c-Fos protein, which comprises the protein according to claim 1 or 2 or a protein translated from the nucleic acid according to any one of claims 3 to 5 or 133 as an active ingredient.

**7. (Currently amended)** A method for detecting an interaction between a bait and a prey, which comprises bringing the bait and the prey into contact and detecting a complex formed by the contact, wherein the bait is the protein according to claim 1 or 2 or a protein translated from the nucleic acid according to any one of claims 3 to 5 or 133.

**8. (Original)** A method for screening for a prey that interacts with a bait, which comprises the step of detecting an interaction between the bait and a prey by the method according to claim 7 and the step of selecting a prey for which an interaction was detected.

**9-132. (Cancelled)**

**133. (New)** A nucleic acid encoding the protein according to claim 2.